StudyBuddies Management App
Sequence Diagrams

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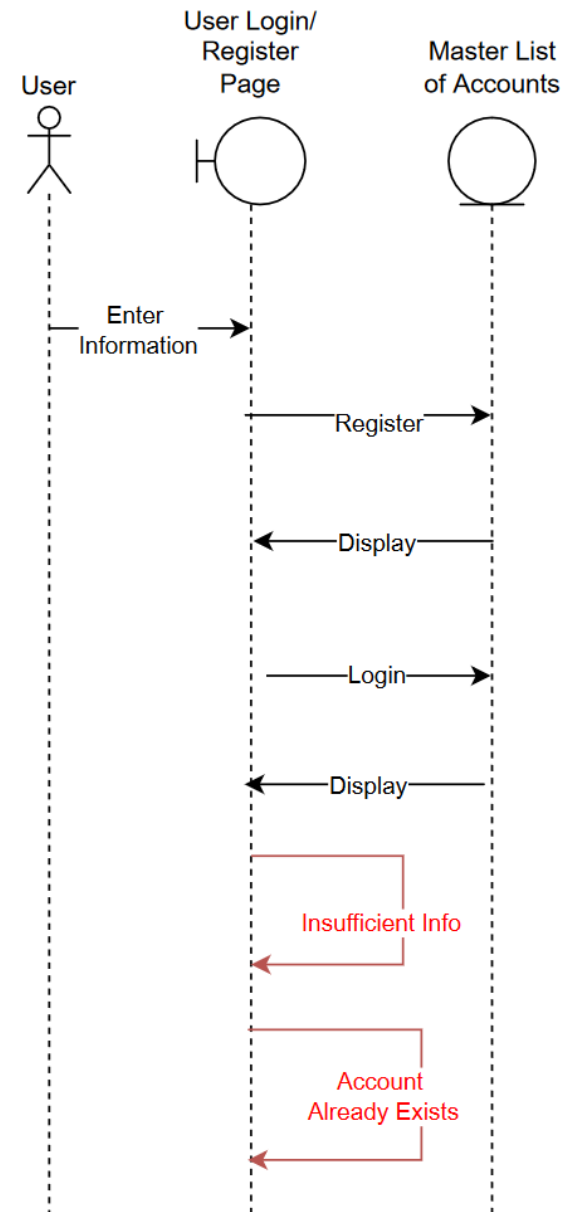Matthew Sirkot
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User creates an account

BASIC COURSE: From the User Login/Register Page, the User enters their email and password into the register fields and clicks Submit. The system checks the Master Account List to see if the User Account exists. If it exists, the system checks the password. The system retrieves the account information, starts an authenticated session, and displays the User's Home Page.

ALTERNATE COURSE:

Incomplete Details: From the User Login/Register Page, the User enters their email and password into the register fields and clicks Submit. The system sees that there is an error and displays a message.

New User Registration: The User clicks on the login/register link. The system displays the User Register Page. The User enters their first name, last name, email, and password into the registration fields and clicks Submit. The system checks the Master Account List to see if a User Account exists with the given email. If it exists, the user is shown an "Account Exists" Message. If it does not exist, the account is added to the Master Account List, and the system displays the User Home Page.
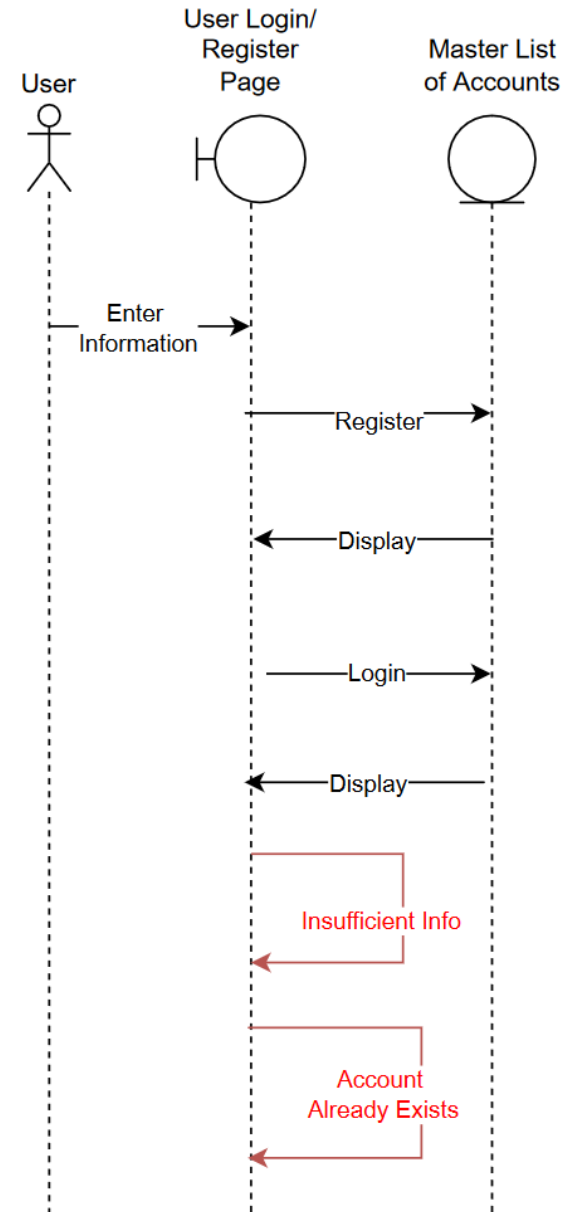

User Login/Register Page — Master List of Accounts — User

Enter Information

Register

Display

Login

Display

Insufficient Info

Account Already Exists

User logs in

BASIC COURSE: The User clicks on the login link. The system displays the User Login. The User enters their email and password into the register fields and clicks Submit. The system checks the Master Account List to see if the User Account exists. If it exists, the system checks the password. The system retrieves the account information, starts an authenticated session, and displays the User's Home Page.

ALTERNATE COURSE:

User Not Found: The User enters their email and password into the login fields and clicks Submit. The system checks the Master Account List to see if the User Account exists. If it does not exist, the system displays an "Account Not Found" Message.

Incorrect Login: From the User Login/Register Page, the User enters their email and password into the login fields and clicks Submit. The system sees that there is an error and displays a message.
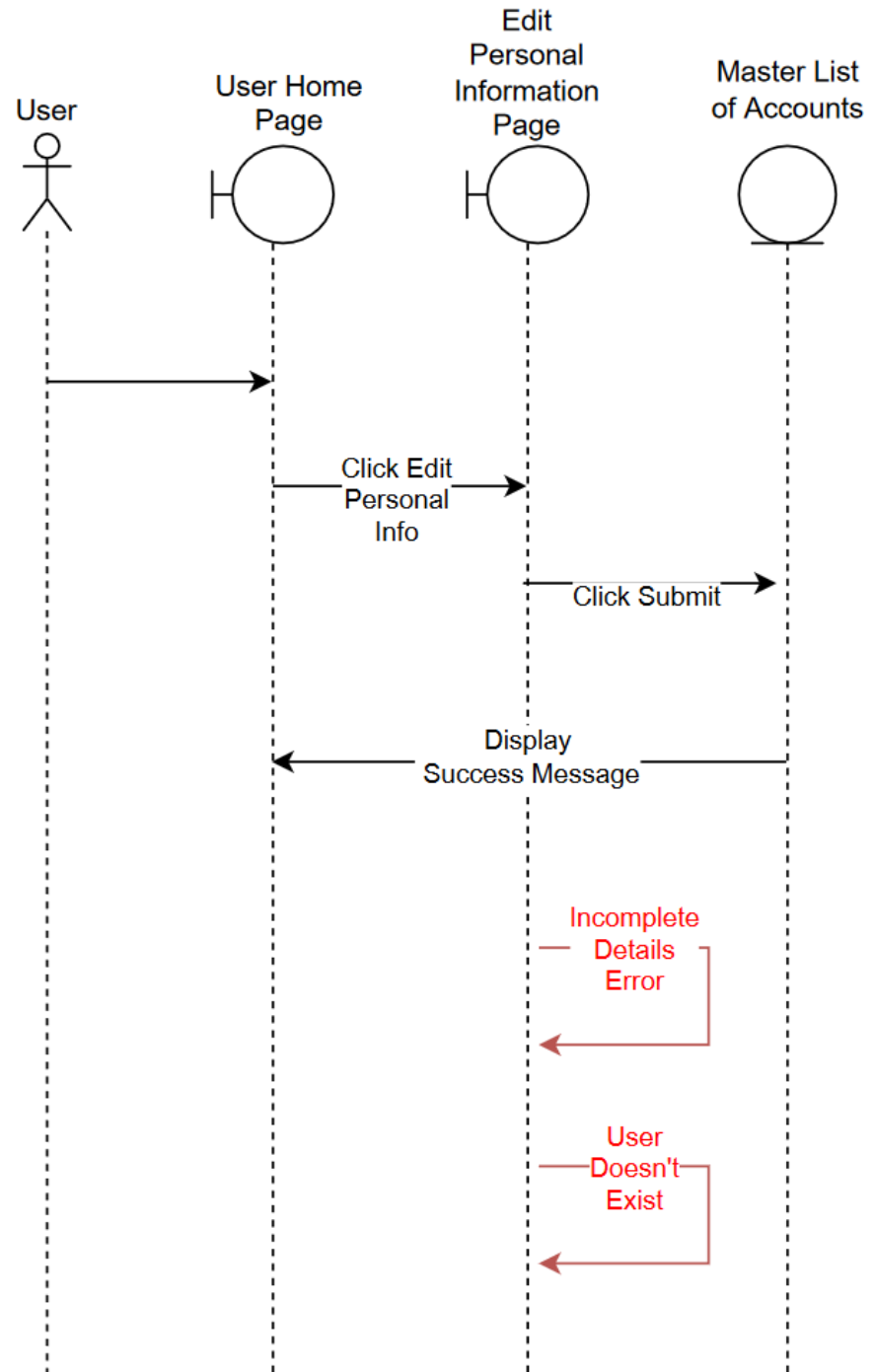
User edits personal details
BASIC COURSE: From the User's Home Page, the User selects the edit personal details button. The User enters input into the appropriate fields and clicks Submit. The system updates the information to the Master List of Accounts.

ALTERNATE COURSE:
User logged out: From the User's Home Page, the User selects the edit personal details button. The User enters input into the appropriate fields and clicks Submit. The system sees that the user is logged out and displays an error.

Invalid input: From the User's Home Page, the User selects the edit personal details button. The User enters input into the appropriate fields and clicks Submit. The system updates the information to the Master List of Accounts. The User offers invalid input and clicks Submit. The system displays an error message.
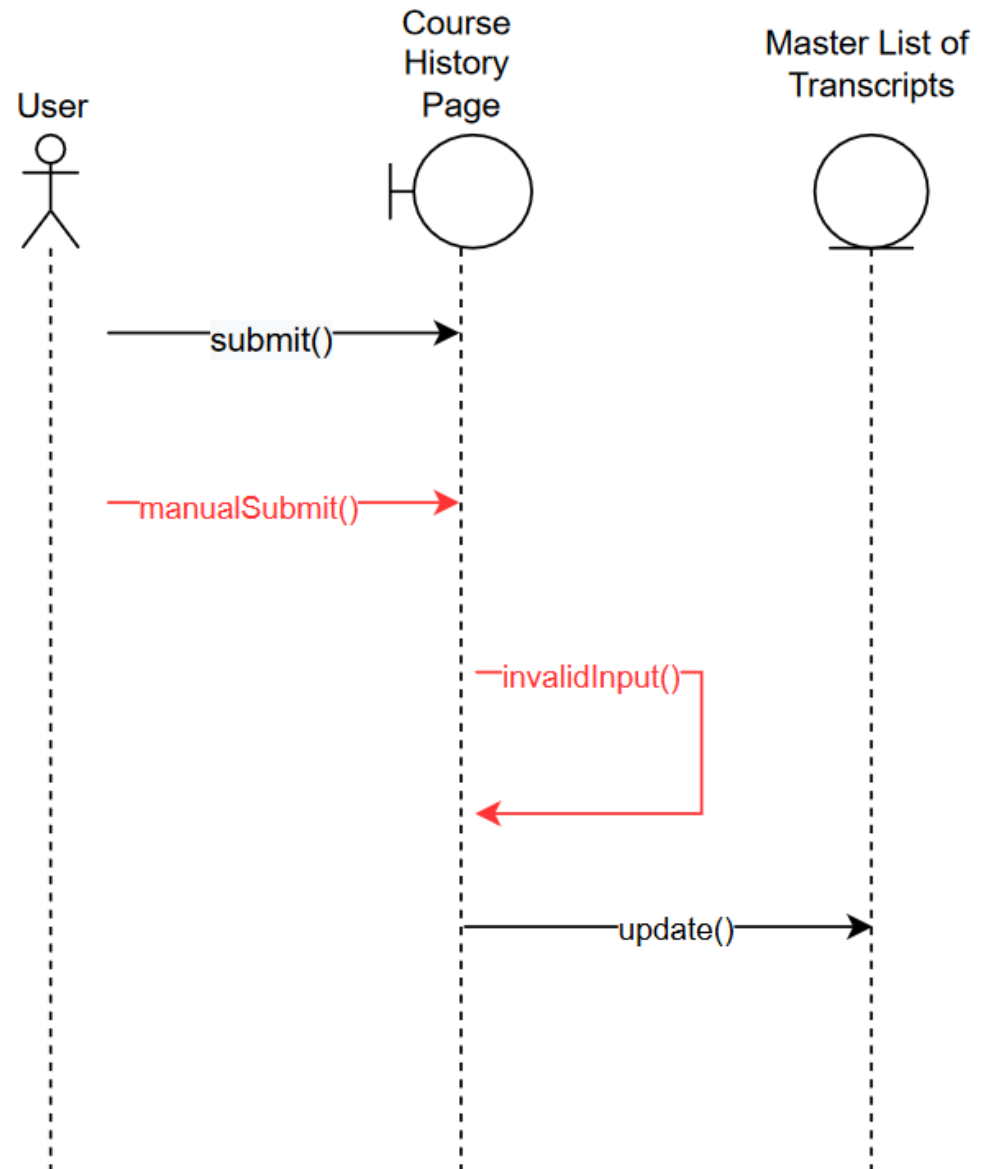

User | User Home Page | Edit Personal Information Page | Master List of Accounts

Click Edit Personal Info

Click Submit

Display Success Message

Incomplete Details Error

User Doesn't Exist

User submits Course History

BASIC COURSE: From the Course History Page, the User selects the edit course history button. The User enters input into the appropriate fields and clicks Submit. The system updates the information and displays the Course History Page.

ALTERNATE COURSE:

Enter a course manually: From the Course History Page. The User selects the edit course history link. The system displays the Edit Course History Page. The User doesn't see their course. The User elects to manually input the course. The User enters input into the appropriate fields and clicks Submit. The system updates the information and displays the Course History Page

Invalid input: From the Course History Page. The User selects the edit course history link. The system displays the Edit Course History Page. The User doesn't see their course. The User elects to manually input the course. The User offers invalid input and clicks Submit. The system displays an error message.
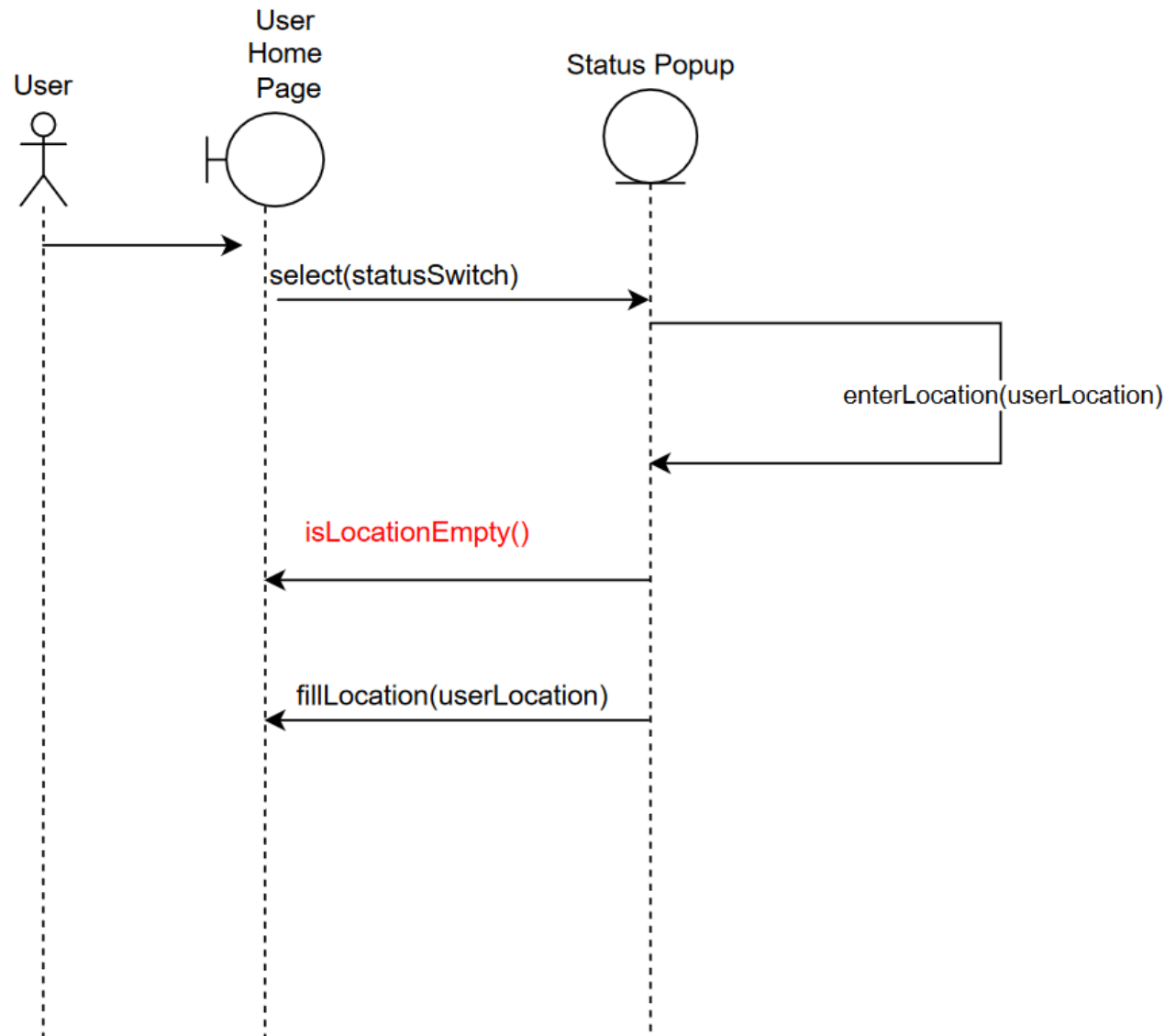
User — Course History Page — Master List of Transcripts

submit()

manualSubmit()

invalidInput()

update()

User updates Status

BASIC COURSE: From the User's Home Page, the User selects the status switch. The User selects their location and clicks Submit. The system updates the Location Status and displays the User Home Page.

ALTERNATE COURSE:
No input: From the User's Home Page, the User selects the status switch. The User selects their location and clicks Submit. The user did not enter a location. The system displays an error message.

No changes: From the User's Home Page, the User selects the status switch. The User selects their location and clicks Submit. The user enters the same location that currently exists. The system does not update.
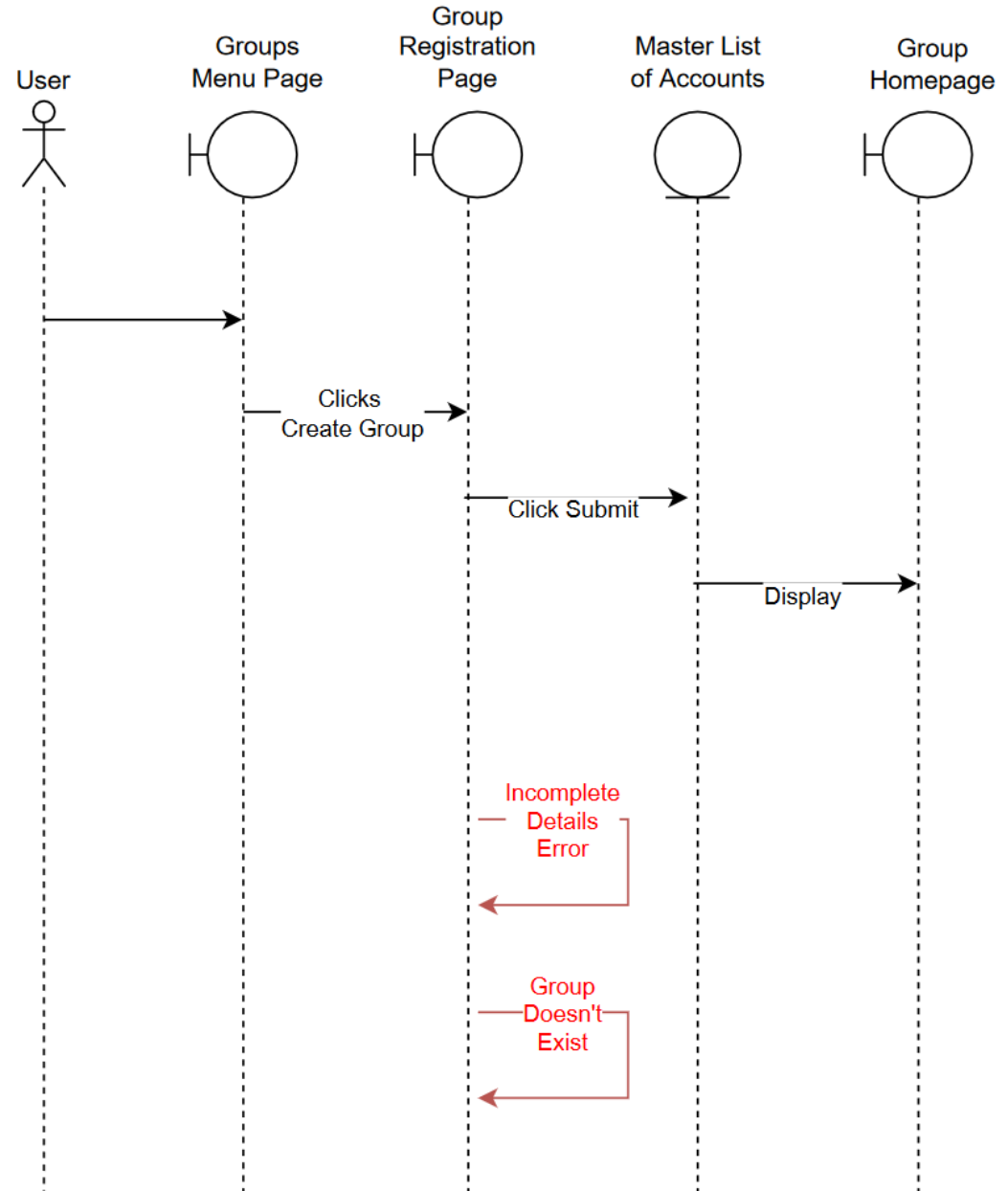
User   User Home Page   Status Popup

select(statusSwitch)

enterLocation(userLocation)

isLocationEmpty()

fillLocation(userLocation)

User creates a group

BASIC COURSE: From the User's Home Page, the User selects the groups link. The system displays the Groups Menu Page. The User selects the create group link. The system displays the Group Registration page. The User enters a name and description into the appropriate fields and clicks Submit. The system checks the Master Group List to see if a Group with the same name exists. If no such Group is found, the system creates the Group, denotes the User as the Leader corresponding to this Group, and displays the Group Homepage.

ALTERNATE COURSE:

Group already exists: From the User's Home Page, the User selects the groups link. The system displays the Groups Menu Page. The User selects the create group link. The system displays the Group Registration page. The User enters a name and description into the appropriate fields and clicks Submit. The system checks the Master Group List to see if a Group with the same name exists. If such a Group is found, the system displays an error message.
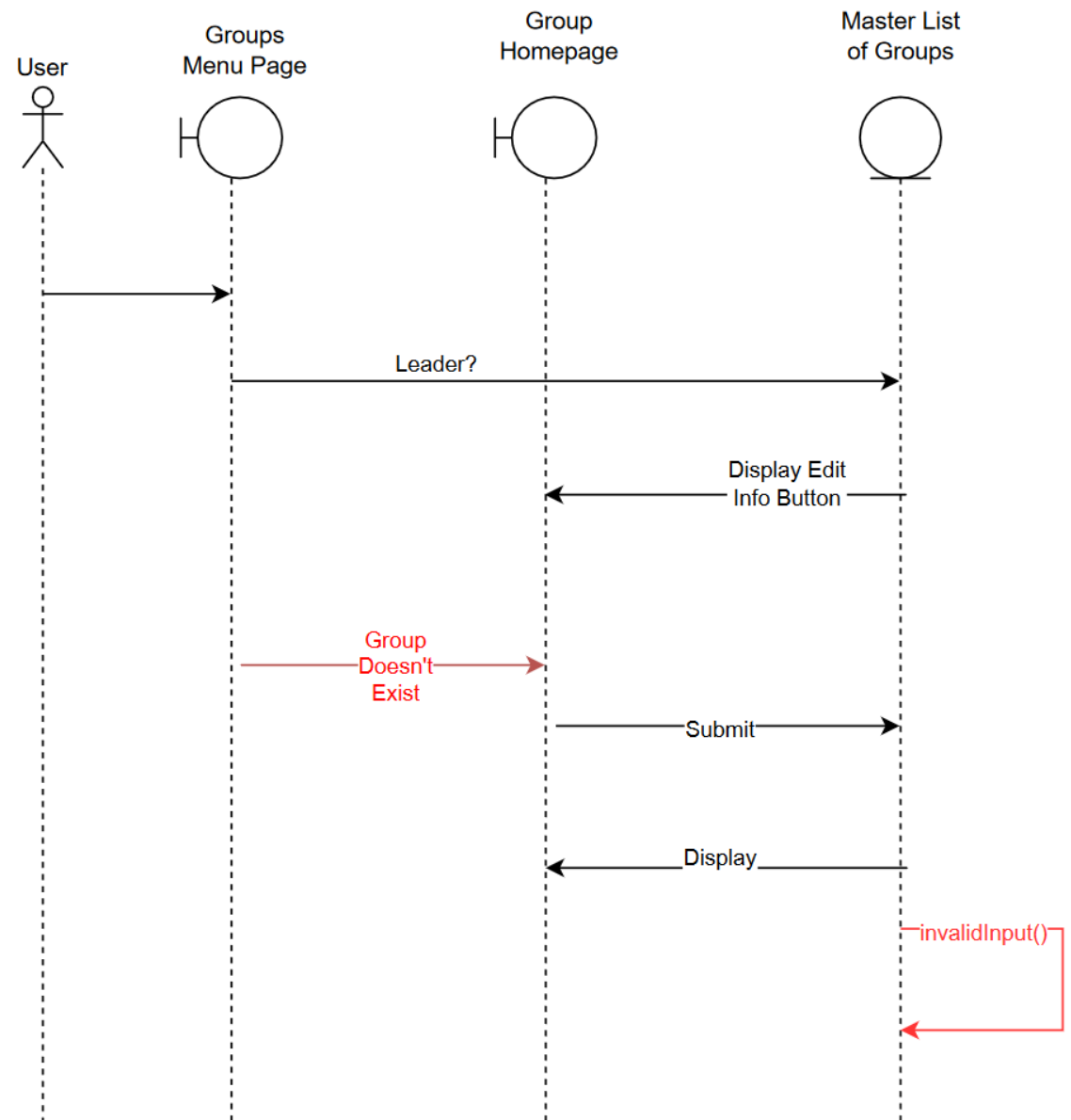
User updates group information

BASIC COURSE: From the Group Menu Page, the User navigates to the Group Homepage corresponding to a Group. The system checks the Master List of Groups to see if the user is the Leader. If so, the User gets redirected to the Group Homepage and the system displays the edit group information button. The User selects the edit group information button. The User submits input into the appropriate fields and clicks Submit. The system updates the Master List of Groups.

ALTERNATE COURSE:

User is not a Leader: From the Group Menu Page, the User navigates to the Group Homepage corresponding to a Group. The system checks the Master List of Groups to see if the user is the Leader. The system sees they are not the Leader and displays the Group Homepage without the button to edit the group information.

Invalid Info: From the Group Menu Page, the User navigates to the Group Homepage cof a Group. The system checks the Master List of Groups to see if the user is the Leader. If so, the User is sent to the Group Homepage and the system displays the edit group information button. The User selects the edit group information button. The User submits input into the appropriate fields and clicks Submit. The system sees that the information is invalid and displays an error.
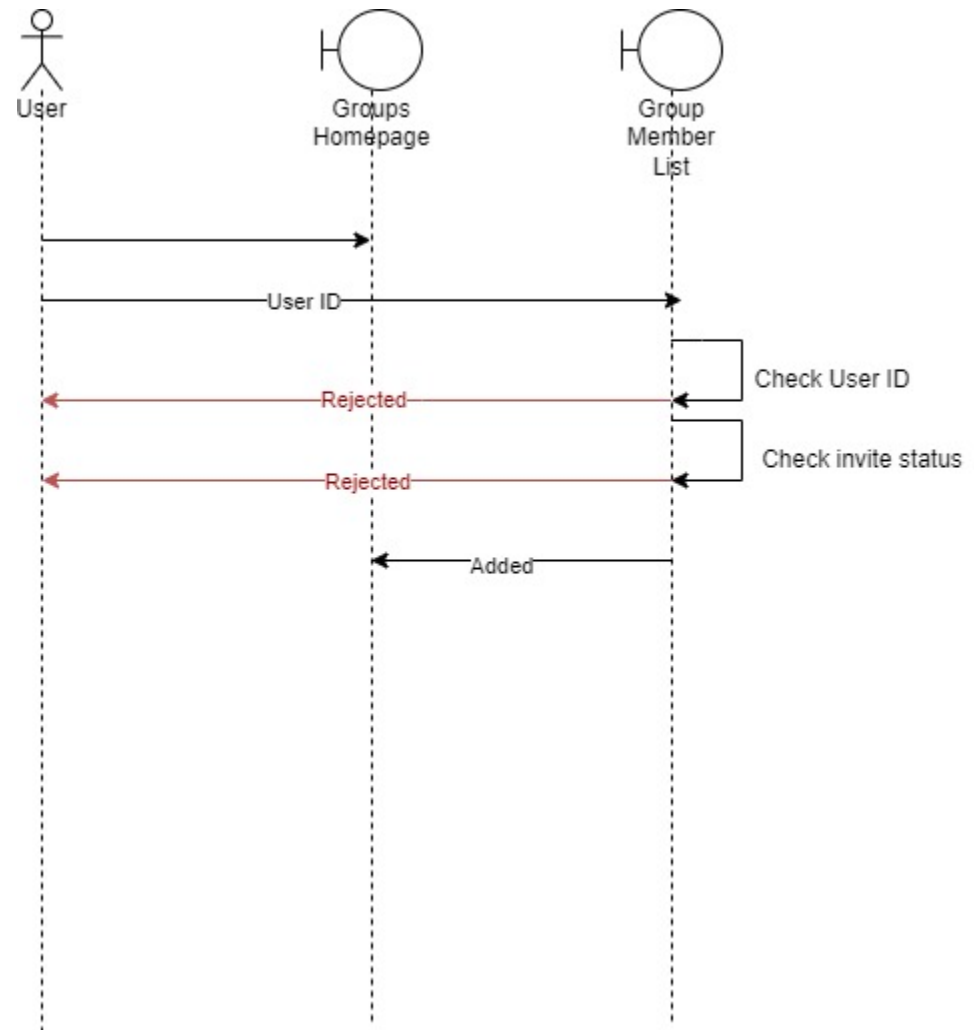
User invites a User to a private group
BASIC COURSE: The User clicks the invite
users link within the Group Homepage. The
User enters a UserID into the User ID field.
The User clicks the invite button. The invite
is sent to the user. The Invite Status in the
Group Member list is updated.

ALTERNATE COURSE:
User invites another User to a Group that
doesn't exist: The User clicks the invite
users link within the Group Homepage. The
User enters a UserID into the User ID field.
The User clicks the invite button. The User
ID does not exist. The system displays an
error message.

Invited User has already been
invited: The User clicks the invite users link
within the Group Homepage. The User
enters a UserID into the User ID field. The
User clicks the invite button. The system
sees the user has already been invited and
displays an error.
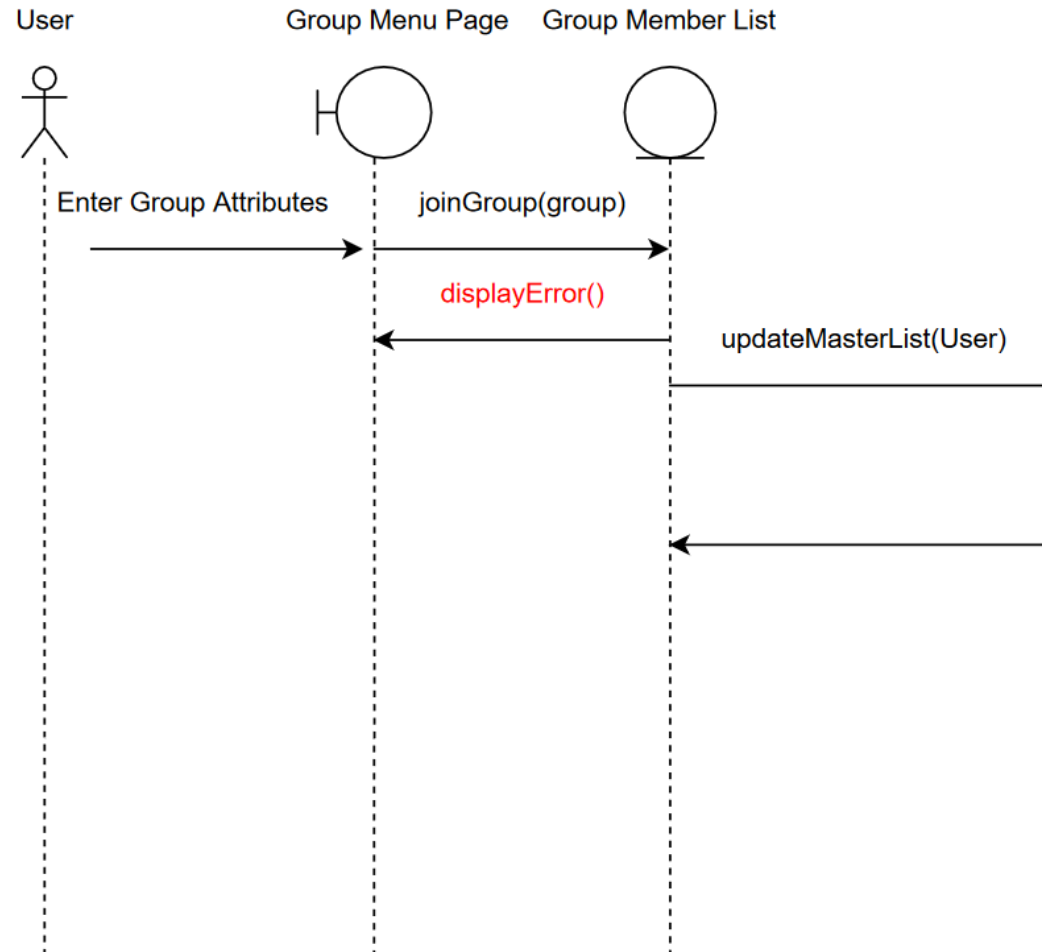
User joins a public group

BASIC COURSE: From the User Home Page, the User enters a Group name into the search field. The User is presented with a list of groups. The User clicks on a Group and the system displays the Group's Information and a join button. The User clicks on the Join Group Button. The system updates the Group User List. The system updates the List of User's Group.

ALTERNATE COURSE:

The group does not exist: From the User Home Page, the User enters a Group name into the search field. The User is presented with a list of Groups. The User clicks on a Group and the system displays the Group's Information and a join button. The User clicks on the Join Group Button. The system displays the error message "Group does not exist."

The User is banned from the Group: From the User Home Page, the User enters a Group name into the search field. The User is presented with a List of Groups. The User clicks on a group and the system displays the Group's Information and a join button. The User clicks on the Join Group Button. The system displays the error message "You are banned."
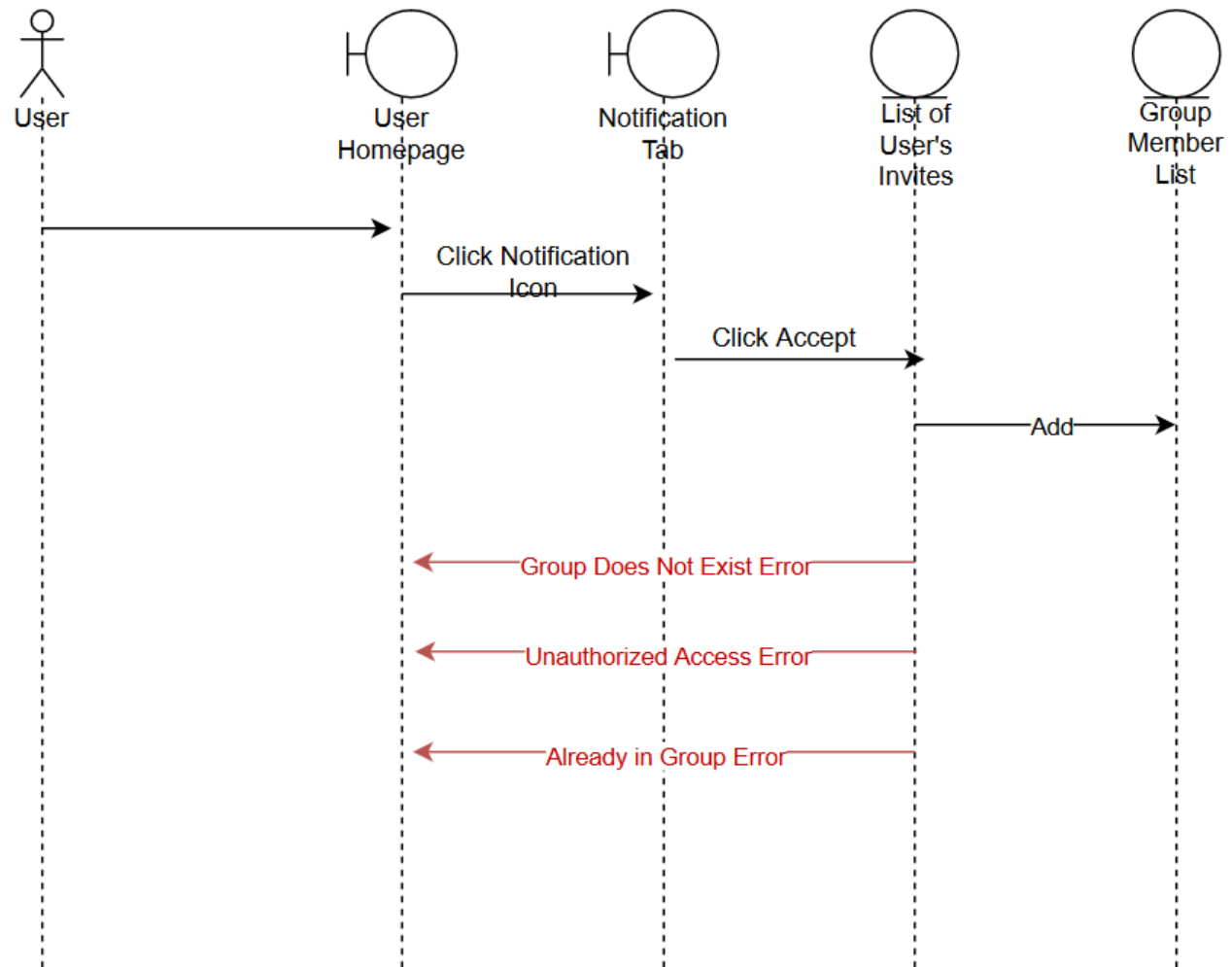
User   Group Menu Page   Group Member List

Enter Group Attributes   joinGroup(group)

displayError()

updateMasterList(User)

User joins a private group
BASIC COURSE: From the User Home Page, the User clicks on the User Notification Tab. The system displays the List of User's Invites. The User clicks accept on a Group's invite button. The User is added to the Group Member List.

ALTERNATE COURSE:
Group does not exist: From the User Home Page, the User clicks on the User Notification Tab. The system displays the List of User's Invites. The User clicks accept on a Group's invite button. The Group does not exist. The system displays an error message.

User is already in group: From the User Home Page, the User clicks on the User Notification Tab. The system displays the List of User's Invites. The User clicks accept on a Group's invite button. The User is already in the group. The system does nothing.
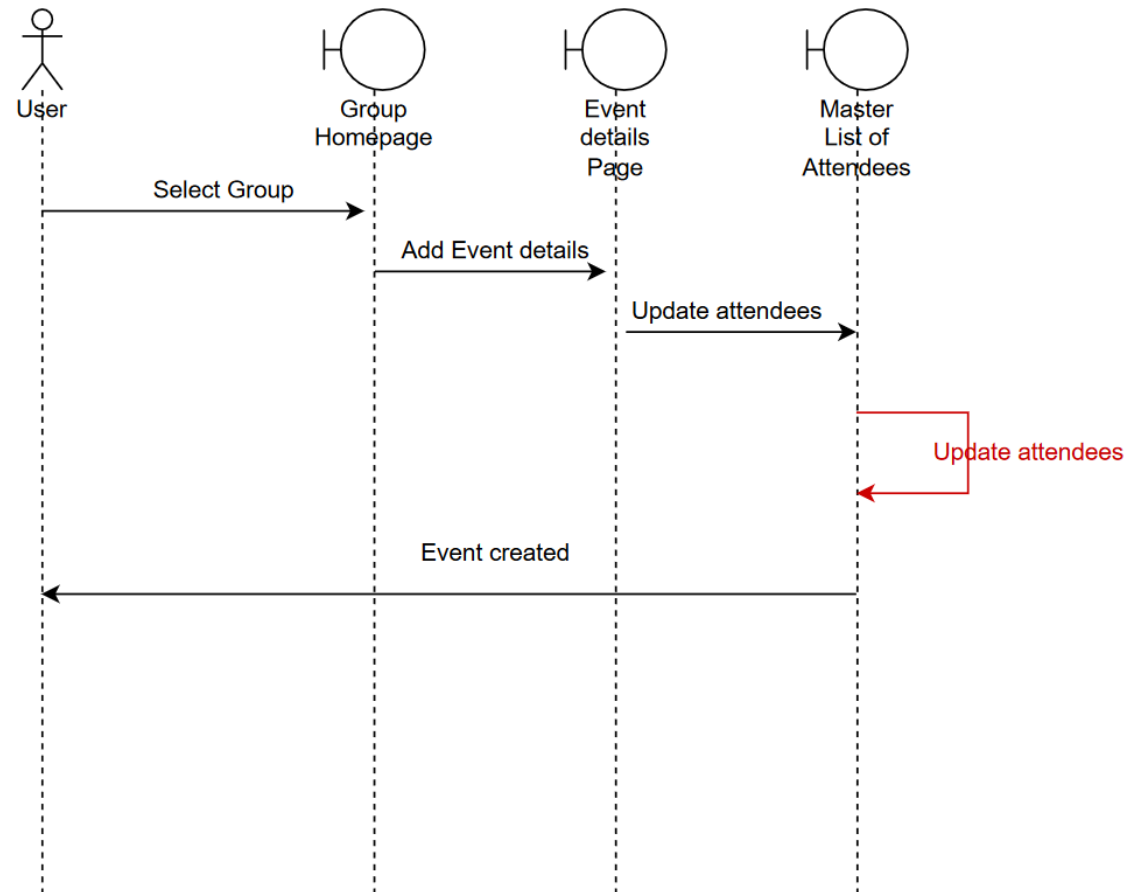
User · User Homepage · Notification Tab · List of User's Invites · Group Member List

Click Notification Icon

Click Accept

Add

Group Does Not Exist Error

Unauthorized Access Error

Already in Group Error

User creates an event

BASIC COURSE: The User navigates to the Group Homepage of a Group that they belong to. They select the add event button. The User inputs the event details and clicks submit. The system updates the Master List of Attendees.

ALTERNATE COURSE:

Group doesn't exist: The User navigates to the Group Homepage of a Group that they belong to. They select the add event button. The User inputs the event details and clicks submit. The system sees the Group doesn't exist and displays an error.

Invalid Info: The User navigates to the Group Homepage of a Group that they belong to. They select the add event button. The User inputs the event details and clicks submit. The system sees invalid info and displays an error.
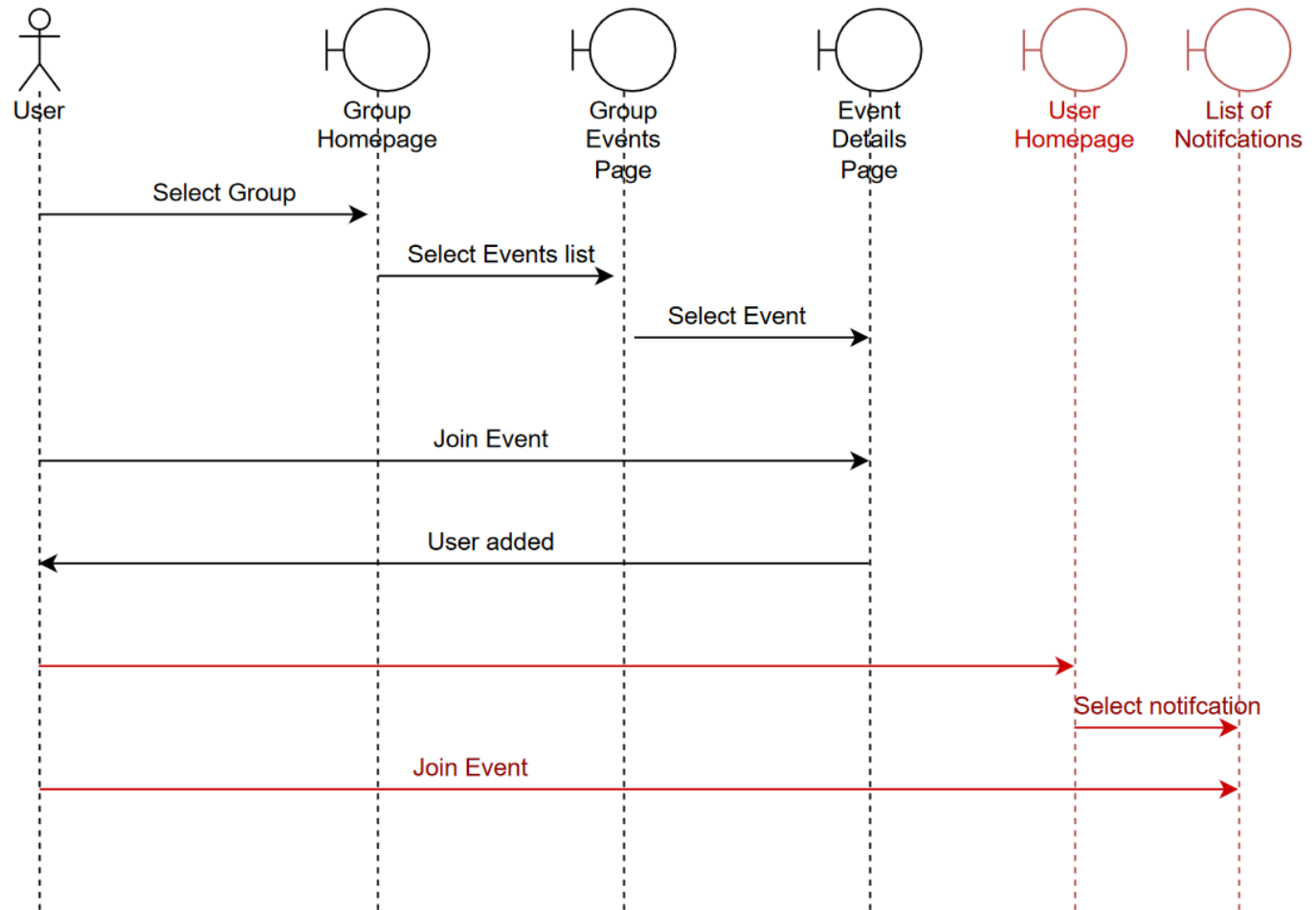
User joins an event
BASIC COURSE: The User navigates to the Group Homepage of a Group. They select the events link. The system displays the Group Events Page. The User browses the Group Events List and selects the event details link. The system displays the Event Details Page. The User clicks the join event link. The system adds the User to the Event Attendees List.

ALTERNATE COURSE:

Event permission denied: The User navigates to the Group Homepage of a Group for which they are not a member. They select the events link. The system displays the Group Events Page. The User browses the Group Events List and selects the event details link corresponding to an Event that is not set to public. The system displays the Event Details Page. No join event link is available.

Responding to Notification: From the User's Home Page, the User selects the notifications link. From the Notifications Page, the User browses the List of Notifications and selects the joint event link corresponding to an Event Invitation. The system adds the User to the Event Attendees List and displays the Event Details Page.
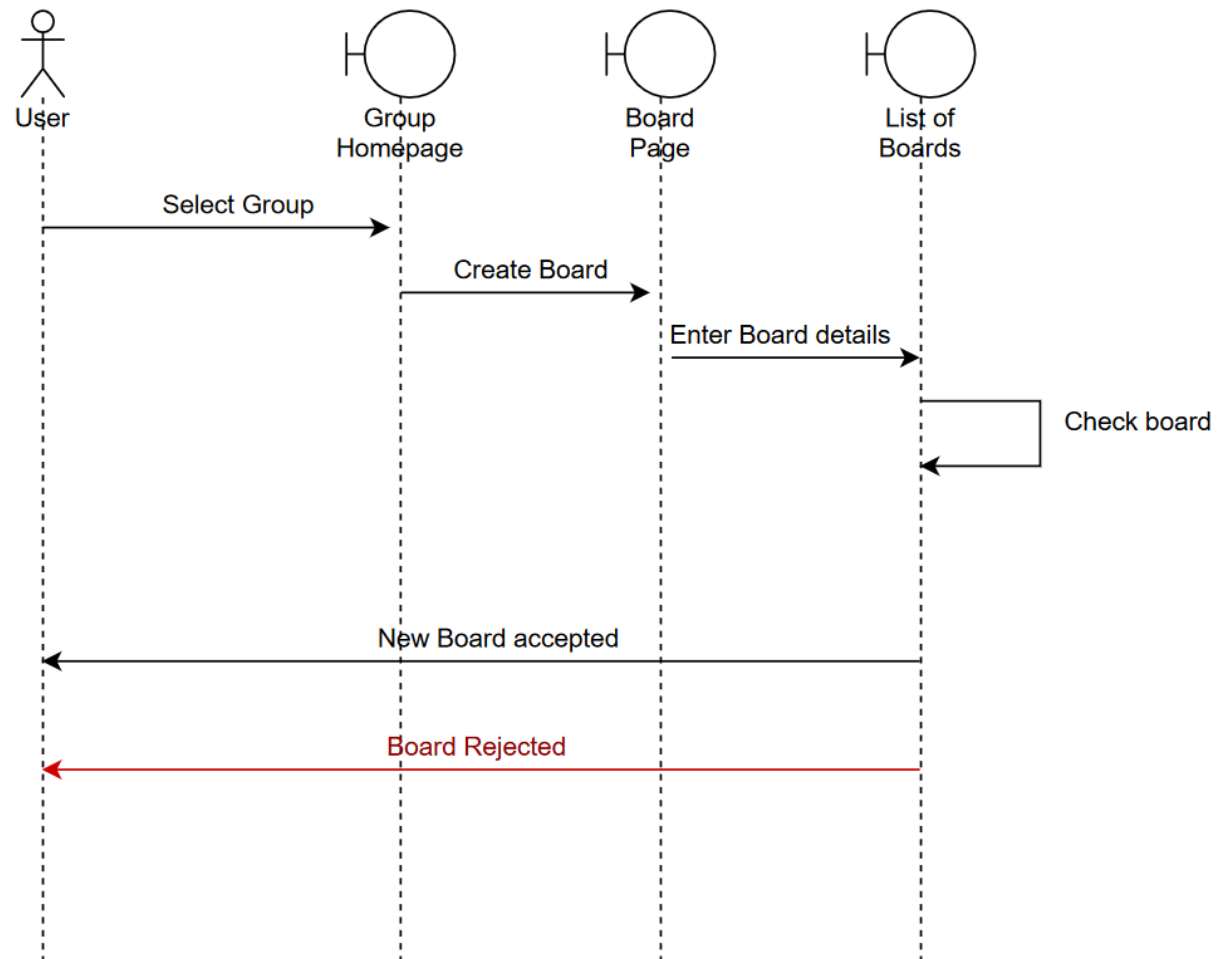

User | Group Homepage | Group Events Page | Event Details Page | User Homepage | List of Notifcations

Select Group
Select Events list
Select Event
Join Event
User added
Select notifcation
Join Event

User creates a Board

BASIC COURSE: The User goes to the desired Group Homepage and clicks the create a board link. The User enters the name of the Board. The User then clicks the publish link to finalize their new Board. The system checks the Master Board List to see if the Board already exists within the Group. If no such Board exists it is then created.

ALTERNATE COURSE:

The Board name already exists: The User goes to the desired Group Homepage and clicks the create a board link. The User enters the name of the Board. The User then clicks the publish link to finalize their new Board. The system checks the Master Board List to see if the Board already exists within the Group. As the Board already exists, the system will display an error message.

The Board name field isn't filled: The User goes to the desired Group Homepage and clicks the create a board link. The User doesn't enter a name for the Board. The User then clicks the publish link to finalize their new Board. The system displays an error message that the name field is empty.

User   Group Homepage   Board Page   List of Boards

User → Group Homepage: Select Group

Group Homepage → Board Page: Create Board

Board Page → List of Boards: Enter Board details

List of Boards: Check board

List of Boards → User: New Board accepted

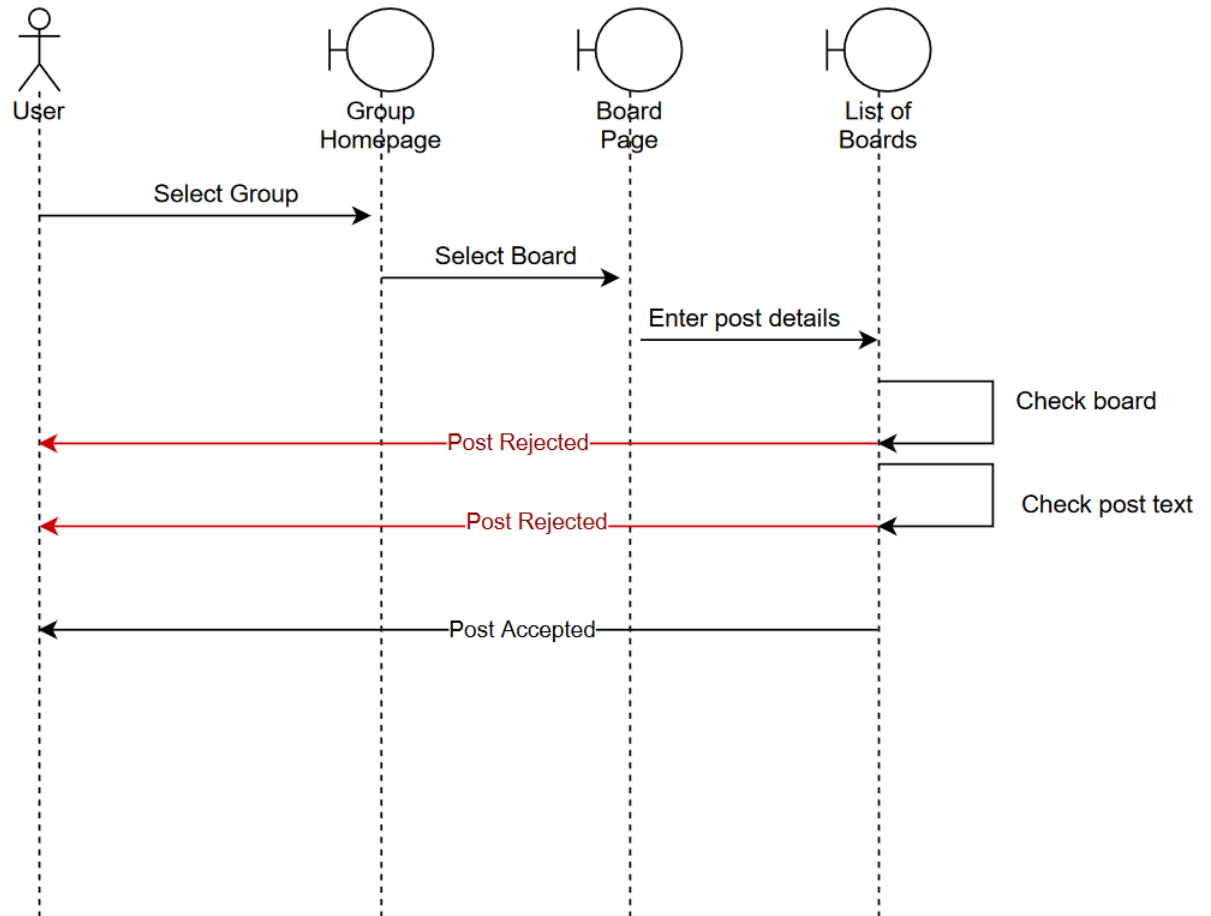List of Boards → User: Board Rejected

User creates a Post
BASIC COURSE: From the relevant Group Homepage, the User clicks on the desired Board Page. In the Board Page, the User types their message into the chat box and clicks the send button. The system checks the Master List of Boards to see if the Board exists. If the Board exists the Post's message field is parsed for content. If there is content, the message is posted and the Master List of Messages is updated.

ALTERNATE COURSE:
The Board doesn't exist: From the relevant Group Homepage, the User clicks on the desired Board Page. In the Board Page, the User types their message into the chat box and clicks the send button. The system checks the Master List of Boards to see if the Board exists. The system sees the Board doesn't exist and sends an error message to the User.

The Post field isn't filled: From the relevant Group Homepage, the User clicks on the desired Board Page. In the Board Page, the User types their message into the chat box and clicks the send button. The system checks the Master List of Boards to see if the Board exists. If the Board exists the Post's message field is parsed for content. The system sees the message field is empty and displays an error message to the User.
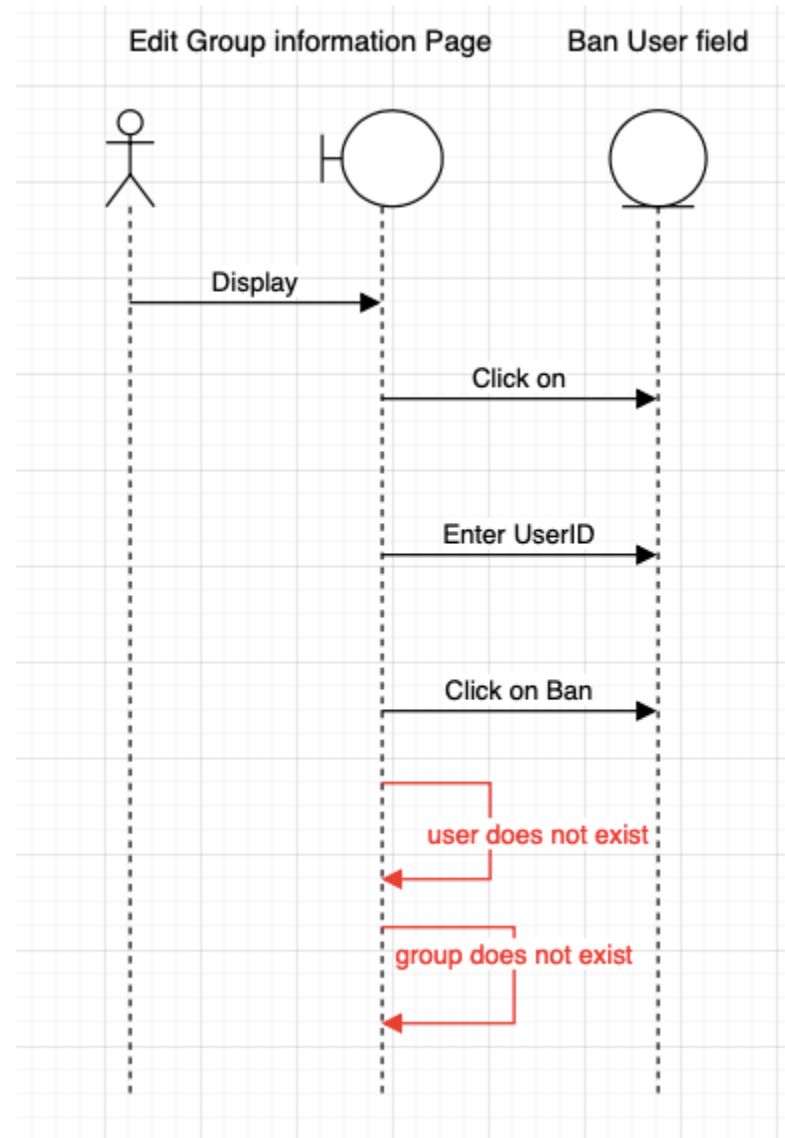
Leader Bans a User in a Group

BASIC COURSE: From the Edit Group Information Page, the Leader clicks on the Ban User field. The Leader enters a userID from the group into the field. The User clicks ban. The User is banned from the group.

ALTERNATE COURSE:

User does not exist: From the Edit Group Information Page, the Leader clicks on the Ban User field. The Leader enters a userID from the group into the field. The User clicks ban. The User does not exist. The system displays an error.
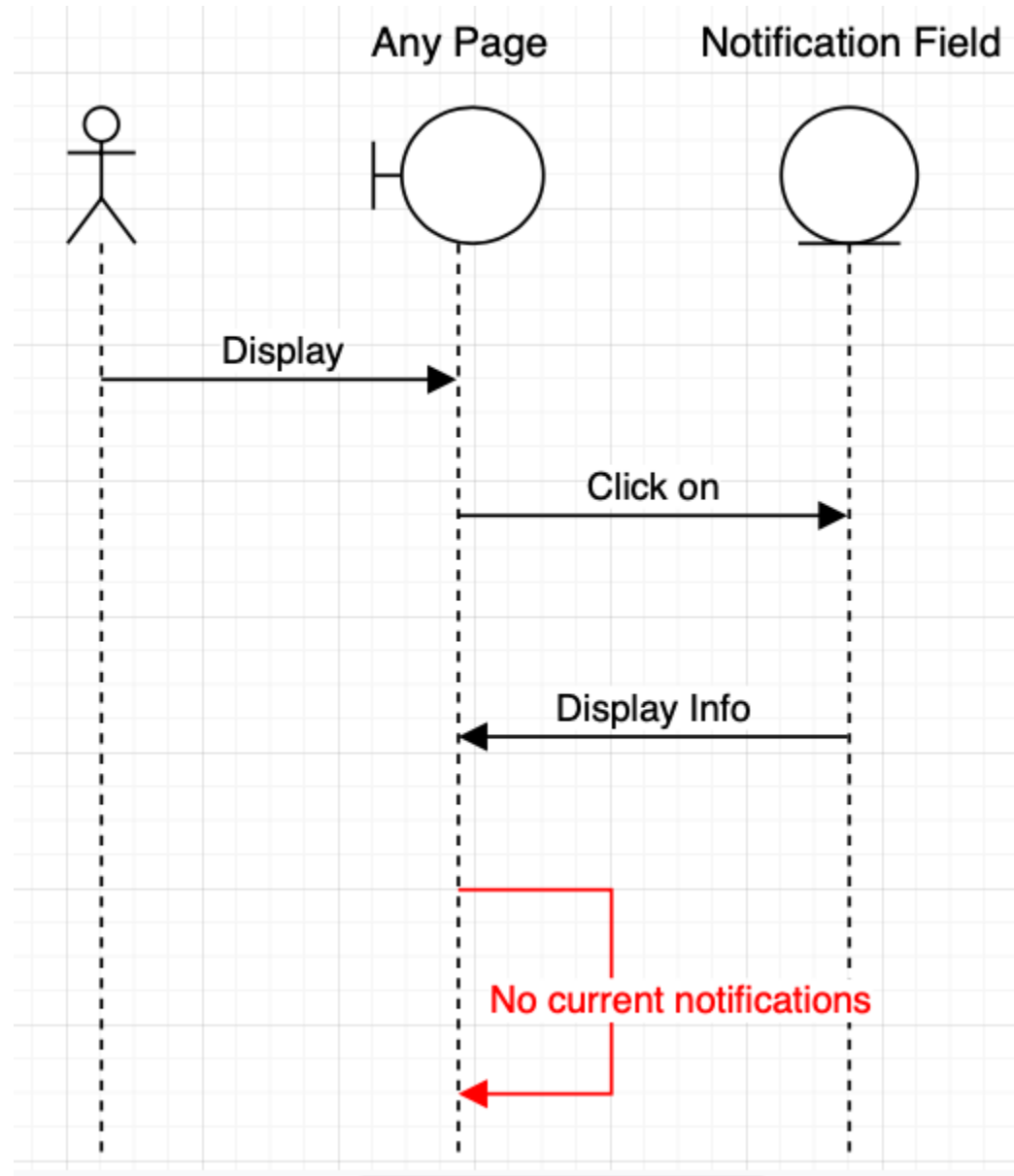
Group does not exist: From the Edit Group Information Page, the Leader clicks on the Ban User field. The Leader enters a userID from the group into the field. The User clicks ban. The Group does not exist. The system displays an error.

User Checks Notifications

BASIC COURSE: The user clicks on the Notification Bell on any page. The system displays a modal containing notification information for group and event invitations.
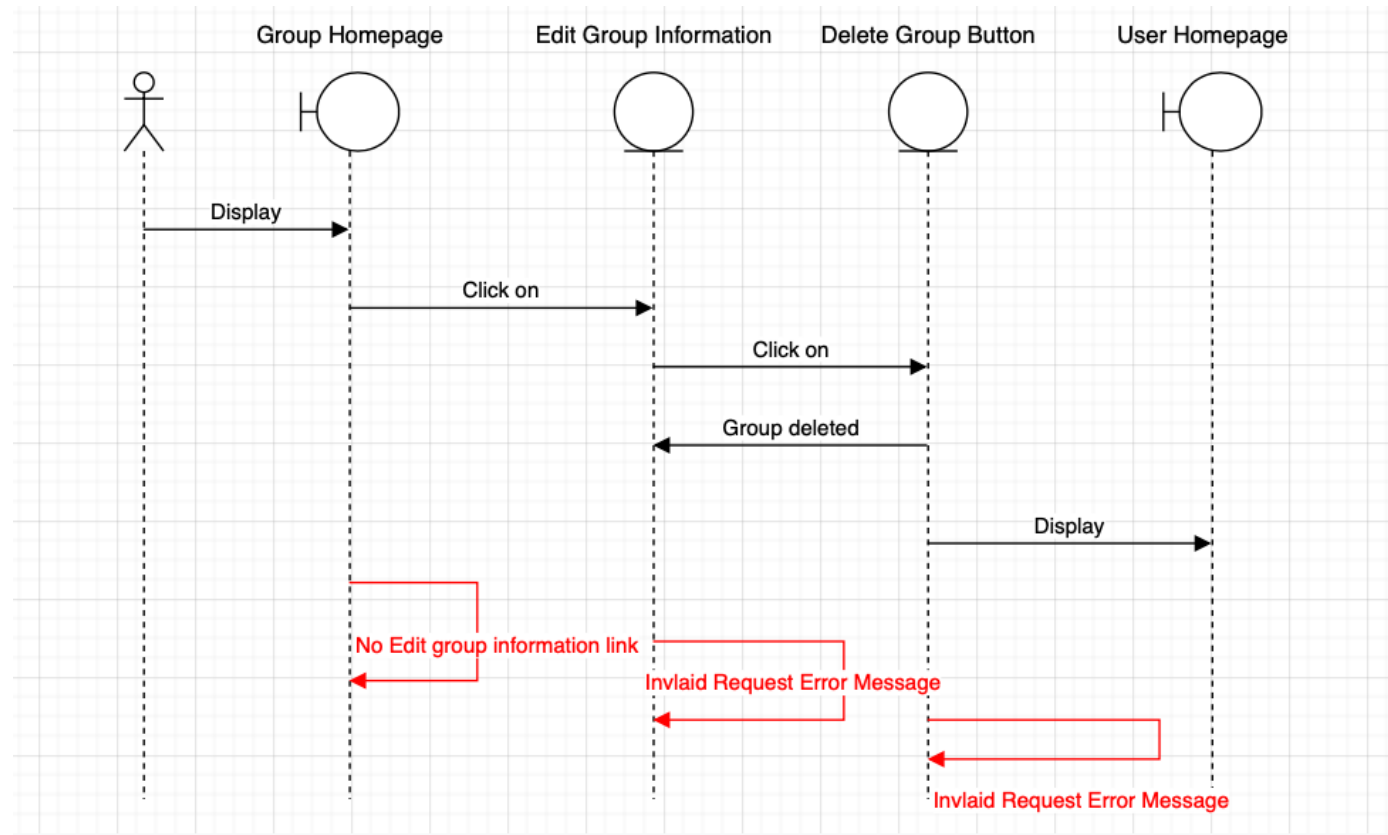
No Notifications: The user clicks on the Notification Bell on any page. The system displays a message stating that there are no current notifications.

Any Page   Notification Field

Display

Click on

Display Info

No current notifications

Leader Deletes Group

BASIC COURSE: The User clicks on the Edit Group Information link on the Group Homepage. The leader clicks the Delete Group Button. The system deletes the group. The User is redirected to the User Homepage.

Not a leader: The User is not presented with the Edit Group Information link. The system displays an Invalid Request Error Message if the User attempts to access the Edit Group Information link or the Delete Group Button.

Group Homepage   Edit Group Information   Delete Group Button   User Homepage

Display

Click on

Click on

Group deleted

Display

No Edit group information link

Invlaid Request Error Message

Invlaid Request Error Message

Leader Deletes Event

BASIC COURSE: The User clicks on an Event on the Group Homepage. The system displays a modal containing the Event's information. The Leader is presented with the Delete Event Button. The Leader clicks the Delete Event Button. The system deletes the Event.

Not a leader: The User clicks on an Event on the Group Homepage. The system displays a modal containing the Event's information. The User is not presented with the Delete Event Button. The system displays an Invalid Request Error Message if the User attempts to click the Delete Event Button.

Group Homepage | List of events | Delete Event Button

Display

Click on

Display model of event info

Click on

Event deleted

No delete event button presented

Invlaid Request Error Message